

Document reference: Multidevice Demo board for Temperature Sensor and RTC			PCB reference: STEVAL-IFS017V1			Date:	21st April-2011			
Company: STMicroelectronics										
Category	S. No.	Reference Designator	Component Description	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number or Equivalent	Supplier	Supplier Ordering Code	Quantity	Note
ST Devices										
	1	U1	Microcontroller	LQFP48	ST	STM32F102C8T6			1	
	2	U2	USB Protection device	SOT-666	ST	ESDAULC6-3BP6			1	
	3	U3	Adjustable Voltage Regulator	PPAK	ST	LD39080PT-R			1	
	4	U4	Voltage Regulaor	DPAK	ST	LD29080DT33			1	
CONNECTOR										
	5	CN1	JTAG Connector	10 x 2 header	3M Electronic Solutions Division	30320-6002HB	Mouser	517-30320-6002	1	
	6	CN2,CN3,CN5,CN6	Bergstrip	4x1 pin Berg strip	Any		Samtec	TSW-104-23-G-S	4	
	7	CN4	Mini USB Connector	SMD	Molex or equivalent	67503-1020	Mouser	538-67503-1020	1	
	8	CN7	Screw Type Connector	Through hole	Phoneix Contact or equivalent	1729131	Mouser	651-1729131	1	
	9	CN8	MMC Card Connector	SMD	Proconn Technology	MSPN09-X0-1000			0	Not Mounted
	10	CN9,CN10	Daughter Card Connector	Through Hole	Sametec	TFC110X1-L-D	Integrated Electronics	TFC110X1-L-D	2	
Capacitors										
	11	C1,C2	20pF	SMD0805	AVX Corporation or equivalent	08051A200JAT2A	Digikey	478-3735-1-ND	2	
	12	C3,C4,C5,C8,C15,C16	100nF	SMD0805	Panasonic - ECG or equivalent	ECJ-2VB1E104K or equivalent	Digikey	PCC1828CT-ND	6	
	13	C6,C9	4.7nF	SMD0805	Panasonic - ECG or equivalent	ECJ-2VB1H472K	Digikey	PCC472BNTR-ND	2	
	14	C7,C10	15pF	SMD0805	AVX Corporation or equivalent	08055A150JAT2A	Digikey	478-1306-1-ND	2	
	15	C11,C14	1uF	SMD0805	Vishay/Sprague	298D105X0050P2T	Digikey	718-1720-1-ND	2	
	16	C12,C13	2.2uF	SMD0805	TAJ or equivalent	TAJR225M004RNJ	Digikey	478-3053-1-ND	2	
LEDs										

	17	D1,D3,D5	LED, Red Colour	SMD0805	Lite-On Inc	LTST-C170CKT	Digikey	160-1176-1-ND	2	D1 Not Mounted
	18	D6,D4	LED,Green Color	SMD0805	Lite-On Inc	LTST-C170KGKT	Digikey	160-1414-1-ND	2	
Resistors										
	19	R1,R2,R14,R27,R34,R35	220	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ221V	Digikey	P220ACT-ND	6	
	20	R3	4.2k	SMD0805	Panasonic - ECG or equivalent	ERJ-6ENF4221V	Digikey	P4.22KCTR-ND	1	
	21	R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R15,R17,R20,R33	10k	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ103V	Digikey	P10KACT-ND	14	
	22	R16	100	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ101V	Digikey	P100ATR-ND	1	
	23	R18,R19,R25,R28	4.7k	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ472V	Digikey	P4.7KATR-ND	4	
	24	R21,R22	33	SMD0805	Panasonic - ECG or equivalent	ERJ-6ENF33R0V	Digikey	P33.0CCT-ND	2	
	25	R23,R36	1M	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ105V	Digikey	P1.0MATR-ND	2	
	26	R24	1.5k	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ152V	Digikey	P1.5KATR-ND	1	
	27	R26,R29,R30	100k	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ104V	Digikey	P100KACT-ND	3	
	28	R31	3.9k	SMD0805	Susumu or equivalent	RR1220P-392-D	Digikey	RR12P3.9KDCT-ND	1	
	29	R32	5.6k	SMD0805	Susumu or equivalent	RR1220P-562-D	Digikey	RR12P5.6KDCT-ND	1	
	30	R37	6.8k	SMD0805	Susumu or equivalent	RG2012P-682-B-T5	Digikey	RR12P6.8KDTR-ND	1	
	31	R38	8.2k	SMD0805	Susumu or equivalent	RR1220P-822-D	Digikey	RR12P8.2KDCT-ND	1	
Switches										
	32	SW2,SW3,SW4	SPDT Switches	Through Hole	EAO	09-03290-01	Farnell	674345	3	
	33	SW1	Push Button	SMD	MULTICOMP	DTSM-32S-B	Farnell	9471898	1	
Crystal										
	34	Y1	8Mhz	XTAL-3	Fox	FOXSLF/080-20	Mouser	559-FOXS080-20-LF	1	
The term equivalent has been used where the exact part number from the mentioned vendor may not have been used.										